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1886/87

SYRACUSE UNIVERSITY.

COLLEGE OF LIBERAL ARTS.

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UNIVERSITY OF ILLINOIS

POST-GRADUATE

COURSES OF STUDY.

1886.

SYRACUSE, N. Y.:  
THE JOURNAL COMPANY, PRINTERS AND BINDERS.

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# SYRACUSE UNIVERSITY.

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## COLLEGE OF LIBERAL ARTS.

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### POST-GRADUATE COURSE OF STUDY.

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To promote systematic and thorough culture, the Master's degree and the degree of Doctor of Philosophy will be conferred upon any Bachelor of Arts, of Science, or of Philosophy of any reputable college who shall comply with the following requirements.

The following courses of study are presented, which may be pursued by non-resident graduates. Any three of the groups or units designated by the Roman numerals, I, II, III, etc., provided they are selected from the same department, will be regarded as one year's study. On passing a satisfactory examination therein, the candidate will be entitled to the second degree, *i. e.*, a Bachelor of Science, of Philosophy, or of Arts, will be entitled to the corresponding Master's degree. After satisfactory examination on another year's course of study, selected as before explained, the degree of Ph. D. will be conferred. These degrees are offered to none but regular graduates of colleges, and the Master's degree conferred *in cursu* or *causa honoris* will not be accepted as a substitute for the first year's post-graduate study. In this University a study of Latin equivalent to four books of Cæsar is requisite for the degree

of B. S., and the higher degrees will not be conferred upon any who are not thus qualified.

Candidates for these degrees will furnish documentary evidence by "diploma or otherwise, that the required Bachelor's degree has been received, and before entering upon their studies will matriculate by the payment of the matriculation fee and by furnishing to the Dean of the Faculty, Prof. John R. French, the following items:... (1) Name in full, (2) residence, (3) age, (4) present occupation, (5) date of graduation, (6) from what college graduated, (7) degree received, (8) undergraduate course pursued (classical or otherwise), (9) post graduate course proposed. Blanks for this purpose will be furnished on application.

The candidate will appear at the University for examination, and will present and defend a thesis of not less than four thousand words on some subject connected with the course of study pursued. Examinations upon the work of the two years may be taken at one time, or in two sections—each covering the work of one year—as may be desired; but examinations will not be given upon smaller fractions of the course. They may occur at any time (except in June) that shall be mutually convenient. For obvious reasons the Faculty have deemed it wise to require all candidates on the continent of North America to take these examinations in Syracuse. All requests for question papers to be sent elsewhere are declined. The examinations are somewhat rigorous, occupying from two to five days upon each year's work.

Candidates for these degrees are requested to give to the Dean of the Faculty, at least six weeks' notice of the subjects upon which they desire to be examined, and the time for such examination will then be arranged by correspondence. The following fees are required to be prepaid:

Matriculation,	- - - - -	\$ 5.00
Examination, for each year's course,	- - - - -	20.00
Diplomas, each,	- - - - -	5.00

## GREEK LANGUAGE AND LITERATURE.

## FIRST YEAR.

## I.

1. The Pheacians of Homer. *Merriam.* (Harper & Brothers).
2. Juventus Mundi. *Gladstone.* Or  
Troja. *Schliemann.*
3. History of Classical Greek Literature. *Mahaffy.* Vol. I.  
(John Allyn).

## II.

1. Selected Odes of Pindar, including the Introduction and the  
Essay on the Dialect of Pindar. *Seymour.* (Ginn &  
Co.).
2. Comparative Philology applied to Greek and Latin. *Papil-  
lon.* (Macmillan & Co.)
3. History of Classical Greek Literature. *Mahaffy.* Vol. II.

## III.

1. Medea of Euripides. *W. B. Smith.*
2. Theatre of the Greeks. *Donaldson.* (John Allyn).
3. Public Economy of the Athenians. *Boeckh.* (John Allyn).

## SECOND YEAR.

## I.

1. Thucydides' History of the Peloponnesian War. *Young.*
2. Orations of Lysias. *Whiton.*
3. Greece—Ancient and Modern. *Felton.*

## II.

1. The Acharnians of Aristophanes. *Townshend.*
2. Æschines' Oration against Ctesiphon.
3. A thesis, comparing the Electra of Sophocles with the Chœ-  
phori of Æschylus and the Electra of Euripides.

## III.

1. Gorgias of Plato. *Woolsey.*
2. Christianity and the Greek Philosophy. *Cocker.*
3. Studies of the Greek Poets. *J. Addington Symonds.* (Har-  
per & Brothers).

## LATIN LANGUAGE AND LITERATURE.

1.

1. Plautus.	Miles Gloriosus. <sup>1</sup> <i>Tyrrell.</i>
2. Plautus.	Mostellaria. <sup>2</sup> <i>Morris.</i>
3. Terence.	Adelphœ, <sup>3</sup> or (Weale Series. <sup>2</sup> <i>Davies</i> ).
4.	Remnants of Early Latin. <sup>4</sup> <i>Allen.</i>
5.	Roman Poets of the Republic. <sup>1</sup> <i>Sellar.</i>
Read :	Lectures on the History of Rome. <sup>2</sup> <i>Neibuhr.</i>
	Vol. ii, lecture lxx.
	History of Rome. <sup>3</sup> <i>Mommsen.</i> Book iv, chap. xiii.

II.

1.	Livy.	Book I. <sup>1</sup> <i>F. R. Seeley.</i>
2.	Ovid.	Metamorphoses. <sup>2</sup> <i>Haupt.</i>
3.	Cicero.	De Natura Deorum. <sup>4</sup> <i>Stickney.</i>
4.		History of Roman Literature. <sup>2</sup> <i>Teuffel.</i> <i>Wagner's</i> translations, vol. i, pp. 1-226.
5.		Manual of Mythology. <sup>2</sup> <i>Murray.</i> Or Classical Mythology. <sup>2</sup> <i>Keightly.</i> Ed. Schmitz.
	Read :	Lectures on the History of Rome. <i>Niebuhr.</i> Vol. i, lectures i-xi inclusive.
		Ten Great Religions. <sup>6</sup> <i>Clarke.</i> Chap. viii.
		History of the City of Rome. <sup>2</sup> <i>Dyer.</i>
		History of Rome. <i>Mommsen.</i> Bk. i, chap. xii; bk. ii, chap. viii; bk. iii, chap. xiii; bk. iv, chap. xii; bk. v, chap. xii.

III.

1. Cicero.	De Oratore. <sup>3</sup> <i>Crowell.</i>
2. Quintilian.	Institutiones Oratoriæ. <sup>6</sup> <i>Frieze.</i> Bks. x and xii. Or Selections from Quintilian. <sup>4</sup> <i>Wheeler.</i>
3. Tacitus.	Dialogus de Oratoribus. <sup>3</sup>
4. Horace.	Ars Poetica. <sup>8</sup> Or
Cicero.	Second Philippic Oration. <sup>1</sup> <i>Halm</i> ed. <i>Mayor.</i>

5. History of Roman Literature. *Teuffel*. Vol. i.  
 Read: History of Rome. *Mommsen*. Book v, chap. xii.  
 Old Roman World.<sup>7</sup> *Lord*.  
 Civil and Literary Chronology of Rome.<sup>2</sup> *Clin-  
 ton*.

## IV.

1. Horace. Fourth Book of Odes, the Satires and Epistles.  
<sup>3 or 2</sup>

2. Martial. Selections from the Latin poets.<sup>4</sup> *Crowell*. Or  
 Select Epigrams.<sup>1</sup> *Stephenson*.

3. Latin Hymns.<sup>8</sup> *March*. (*Douglass Series*). Or  
 Sacred Latin Poetry.<sup>1</sup> *Trench*.

4. Prosody, Versification.

5. Composition of an Ode or Poem in Latin.  
 Read: Rhythmic and Metric of the Classical Lan-  
 guages.<sup>4</sup> *Schmidt*. (Trans. by *White*.).  
 Roman Poets of the Augustan Age.<sup>1</sup> *Sellar*.  
 Lectures on the History of Rome. *Niebuhr*.  
 Vol. iii, lectures cvi and cvii.

## V.

1. Ovid. Fasti. *Hallam*<sup>1</sup> or *Paley*.<sup>2</sup>  
 2. Catullus. Text and Notes,<sup>1</sup> or<sup>2</sup> *Ellis*.

3. Juvenal. Satires.<sup>3</sup> Or  
 Propertius. Select Elegies.<sup>1</sup> *Postgate*.

4. Persius. Satires, *Conington* ed. *Nettleship*,<sup>1</sup> or *Gilder-  
 sleeve*.<sup>8</sup> or *Hart*.<sup>2</sup>  
 Prosody, Versification.

5. 6. Essay on the Roman Satura.<sup>1</sup> *Nettleship*.  
 Read: Manual of Latin Prosody.<sup>9</sup> *Ramsay*.  
 Roman Poets of the Republic. *Sellar*. Chap. xv.  
 History of Rome. *Mommsen*. Vol. iii. p. 550  
 foll.

## VI.

1. Tacitus. Historiæ, Books i and ii. *Broadbent*<sup>1</sup> or *Sim-  
 cox*, vol. i<sup>2</sup> or *Tyler*.<sup>6</sup>  
 2. Cæsar. De Bello Civili.<sup>1</sup> *Moberly*.

3. History of Roman Literature. *Teuffel*. Vol. ii.  
 4. Lectures on Ethnography and Geography.<sup>2</sup> *Schmitz's Niebuhr*. Vol. ii.  
 5. Analysis of Roman History.<sup>2</sup> *Turner*.  
 Read: Credibility of Early Roman History,<sup>2</sup> *Lewis*.  
 Translation of Livy.<sup>2</sup> Vol. i. *Baker*.  
 Pompeii; its Buildings and Antiquities.<sup>2</sup> *Dyer*.

## VII.

1. Cicero. Selected Letters,<sup>1</sup> *Pritchard and Bernhard*.  
 2. Pliny. Letters. *Peck*<sup>4</sup> or *Holbrooke*.<sup>2</sup>  
 3. Ovid. *Heroidum Epistolaæ*<sup>1</sup>, xiii. *Shuckburgh*. Or  
     Catullus. Select Poems,<sup>1</sup> *Simpson*  
     Roman Life.<sup>6</sup> *Guhl and Koner*.  
 4. Read: Modern Philology.<sup>7</sup> *Dwight*. Vol. i.  
     History of Rome. *Mommsen*. Book iii, chap.  
         xiii; book iv, chap. xii.  
     Essay on the Philosophy of Roman History.  
         *De Quincey*.

## VIII.

1. Lucretius. *De Rerum Natura*.<sup>2</sup> *Munro*.  
 2. Cicero. *Academica*.<sup>1</sup> *Reid*. And *De Natura Deorum*.<sup>4</sup>  
     *Stickney*.  
 3. Gallus, especially the *Excursuses*.<sup>2</sup> *Becker*.  
 4. Greek and Latin Etymology. *Pieles*.<sup>1</sup> Or  
     Manual of Comparative Philology.<sup>1</sup> *Papillon*. Or  
     Latin Prose. *Arnold*. Part II.  
 Read: A Sketch of Ancient Philosophy.<sup>1</sup> *Mayo*.  
     History of Ancient and Medieval Philosophy,<sup>7</sup>  
         *Ueberweg*. (Trans. by *Morris*.) Secs. 52–61.  
     Oriental and Linguistic Studies, 2d Series. The  
         East and West; Religion and Mythology.  
         *Whitney*.  
     On the Ablaut of Greek Roots, etc. *Bloomfield*.  
         *American Journal of Philology*, vol. i, No. 3.

## IX.

1. Seneca. Moral Essays.<sup>5</sup> *Hurst & W.* Or  
 Suetonius. Lives of Roman Emperors.<sup>1</sup> *Bramwell.*  
 2. Tertullian. Select Works.<sup>8</sup> (*Douglass Series*).  
 3. Latin Selections.<sup>2</sup> *Smith.*  
 4. Lectures on Roman Law.<sup>6</sup> *Hadley.*  
 Read: The Cæsars. *De Quincey.*  
 The Roman and Teuton.<sup>1</sup> *Kingsley.*  
 The Imperfect and Pluperfect in the Roman  
 Folk-Speech. *Fay.* *American Journal of  
 Philology*, vol. i, No. 4.  
 Catacombs of Rome. *Withrow.*

## THESES.

Two Theses are required: 1. The one required in the Introductory note; subject, The Causes of Rome's National and Literary Decline. Choice of the following subjects for the second Thesis: 1. The Mythical Element in Roman Literature. 2. Roman Art.

## REFERENCE WORKS.

New Classical Dictionary.<sup>2</sup> *Smith.*  
 Dictionary of Greek and Roman Antiquities.<sup>2</sup> *Rich.*  
 Manual of Roman Antiquities.<sup>2</sup> *Ramsay.*  
 Manual of Ancient Geography.<sup>2</sup> *Schmitz.*  
 Hand-book of Archæology.<sup>2</sup> *Westropp.*  
 Archæology of Rome.<sup>2</sup> *Parker.*  
 Rome and the Campagna.<sup>2</sup> *Burn.*  
 Bibliographical Clue to Latin Literature.<sup>1</sup> *Hubner and  
 Mayor.*

The books in the above list may be ordered as indicated by the small numerals, thus:

<sup>1</sup> Macmillan & Co., London, or 22 Bond street, New York.

<sup>2</sup> John Allyn, 30 Franklin street, Boston, Mass.

<sup>3</sup> Eldredge & Bro., Philadelphia, Pa.

<sup>4</sup> Ginn & Co., 9 and 13 Tremont Place, Boston.

<sup>5</sup> Houghton, Mifflin & Co., Boston, Mass.

<sup>6</sup> D. Appleton & Co., New York.

<sup>7</sup> Scribner, Armstrong & Co., New York.

<sup>8</sup> Harper & Brothers, Franklin Square, New York.

<sup>9</sup> B. Westermann & Co., 838 Broadway, New York.

Or of any bookseller in Syracuse.

*FRENCH LANGUAGE AND LITERATURE.*

I.

1. Grammaire Française. *Martin.*
2. Historie de la Littérature Française. *Demogeot.*
3. Medée (or some other tragedy), by *Corneille.*

II.

1. Grammaire des Grammaires. *Gerault-Duvivier.*
2. Méditations Poétiques. *Lamartine.*
3. Céleste. *Gozlau.*

III.

1. Grammaire Historique de la Langue Française. *Brachei.*
2. Littérature Moderne Française. *Vericourt.*
3. Iphigé'nie (or some equivalent tragedy), by *Racine.*

IV.

1. Französische Grammatik. *Mätzner.*
2. Histoire de la Langue Française. *Littré.*
3. Several of *Molière's* Comedies.

V.

1. Syntax der Neufranzösischen Sprache. *Mätzner.*
2. Lectures choise'es de la Litte'rature Française. *Staff.*
3. Notre Dame de Paris. *Victor Hugo.*

VI.

1. Grammatik der Romanischen Sprachen. *Dietz.*
2. Manuel du Vieux Français, *Bartsch.*
3. Esprit des Lois. *Montesquieu.*

## GERMAN LANGUAGE AND LITERATURE.

## I.

1. Deutsche Schulgrammatik. *Heyse.*
2. Geschichte der Deutschen Literatur. *Weber.*
3. One of *Goethe's* or *Schiller's* Tragedies.

## II.

1. Die Sprache der Deutschen. *Davin.*
2. Deutsche Schulgrammatik. *Becker.*
3. Geschichte de Dreißigjährigen Krieges, (or its equivalent in classical German prose). *Schiller.*

## III.

1. Geschichte der Deutschen Literatur. *Kurtz.* Vol. 1.
2. Das Lanhaus am Rhein. *Auerbach.*
3. Deutsche Verskunst. *Minckwitz.*

## IV.

1. Geschichte der Deutsche Literatur. Vol. 2.
2. Die Verlorene Handschrift. *Freytag.*
3. Neuhochdeutsche Wortbildung. *Ieiteles.*

## V.

1. Geschichte der Deutschen Literatur. *Kurtz.* Vol. 3.
2. Kurze Grammatik der Allgermanischen Sprachstämme. *Heyne.*
1. Geschichte der Deutschen Literatur. *Kurtz.* Vol. 4.
2. Philosophisch-Historische Grammatik der Deutschen Sprache. *Westphal.*
3. Deutsche Gedichte, *Eckstein.*

## ENGLISH LITERATURE.

## I.

1. Handbook of Anglo-Saxon and Early English. *Corson.*
2. Chaucer. *Morley.* With critical study of Canterbury Tales.
3. Early English Literature *Washburn.*
4. Handbook of Poetics. *Gummere.*

## II.

1. Lectures on the English Language. *Marsh.*
2. Spenser. *Morley.* With critical reading of the Faerie Queene.
3. History of English Literature. *Taine.* Vol. i. to chap. iii. in book ii.

## III.

1. Dramatic Literature. *Schlegel.*
2. Critical Commentary on Shakspere's Hamlet, King Lear, Julius Cæsar, Mid-Summer Night's Dream.
3. Reliques of Ancient English Poetry. *Percy.*

## IV.

1. History of English Literature. *Taine.* Vol. i. completed.
2. Essay on Milton. *Macaulay.* With critical study of Samson Agonistes.
3. A critical study of *Pope's* Essay on Man.

## V.

1. History of English Literature. *Taine.* Vol. ii. books iii. and iv.
2. De Foe. *Morley.*
3. Literature of Europe. *Hallam.*

## VI.

1. History of English Literature. *Taine.* Completed.
2. Examination of the Character and Literary works of Scott, Byron, Burns, Carlyle, Thackeray and Tennyson.
3. Written Review (3,000 to 5,000 words) on American Literature; Historians, Poets, Essayists, Novelists, Humorists and Magazine Literature, preparatory to a general examination on American Literature.

## MATHEMATICS.

[The entire works named are included unless otherwise indicated.]

## I.

Plane and Spherical Trigonometry. *Chauvenet.*

Analytical Geometry of two and three dimensions. *Church* or  
*Johnson.*

## II.

Analytical Geometry. *Howison, unabridged.*

## III.

Differential Calculus. *Rice and Johnson, unabridged.*

## IV.

Integral Calculus. *Byerly.*

## V.

Analytical Mechanics. *Bartlett.*

## VI.

Acoustics and Optics. *Bartlett.*

## VII.

Spherical and Practical Astronomy. *Chauvenet.* Vol. i. to  
 Eclipses.

## VIII.

Spherical and Practical Astronomy. *Chauvenet.* Vol. i. completed.

## IX.

Elements of Quaternions. *Hardy.*

## X.

Theory of Determinants. *Scott.*

## ESTHETICS AND HISTORY OF THE FINE ARTS.

## I.

1. Graphic Arts. *Hammerton.*
2. History of Art. *D'Anvers.*
3. History and Practice of Art. *Scott.*
4. Life of Michael Angelo. *Grimm.*

## II.

1. Populäre Esthetik. *Lemcke.*
2. History of Art. *Lübke.*
3. History of Ancient Art. *Reber.*
4. Life of Holbein. *Woltmann.*

## III.

1. History of Painting. *Woltmann and Woermann.*
2. History of Sculpture. *Westmacott.*
3. Styles in Architecture. *Rosengarten.*

## IV.

1. Esthetik. *Bayer (or Köstlin).*
2. Geschichte der Christlichen Kunst. *Petzo.*
3. History of Painting. *Viardot.*

## V.

1. Geschichte der Architektur. *Lübke.*
2. " " " Plastik. " "
3. Histoire de l'Art Grecque. *Beule.*
4. Geschichte der Aesthetik. *Lotze.*

## VI.

1. History of Painting in Italy. *Crowe and Cuvalcaselle.*
2. History of Architecture. *Ferguson.*
3. Book of the Artists. *Tackermann.*
4. Le Ge'nie des Peoples dans les Arts. *Valmy.*

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### REGISTRATION CARD FOR POST-GRADUATE STUDY.

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*The candidate will please fill out the blanks and return this paper with the matriculation fee (\$5.00) to Prof. John R. French, Dean of the Faculty, Syracuse, N. Y.*

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1. Name in Full.

2. Residence.

3. Age.

4. Present Occupation.

5. Date of Graduation.

6. From what College Graduated.

7. Degree Received.

8. Undergraduate Course Pursued, (Classical or Otherwise)

9. Post-Graduate Course Proposed.

*Date* . . . . .



## CHEMISTRY.

## I.

## THEORETICAL CHEMISTRY.

1. Chemistry. *Roscoe and Schorlemer*, 4 vols.
2. Chemical Physics. *Cooke*.
3. Organic Chemistry. *Miller*.

## II.

## PRACTICAL CHEMISTRY.

1. Quantitative Analysis. *Fresenius*.
2. Chemical Analysis of Medicine. *Hoffman*.
3. Manual of Blowpipe Analysis. *Richter and Cornwall's Platner*.

## III.

## APPLIED CHEMISTRY.

1. Chemist's Manual. *Mott*.
2. Chemical Technology. *Wagner*.
3. Industrial Chemistry. *Payne*.

## IV.

## RELATED CHEMISTRY.

1. Religion and Chemistry. *Cooke*.
2. Hand-book of Commercial Chemistry. *Normandy*.
3. Experiments in Related Chemistry. *Sadtler*.

## PHYSICAL SCIENCE.

## I.

## THE EARTH.

1. The Earth. *Recluse.*
2. Earth and Man. *Guyot.*
3. Man and Nature. *Marsh.*

## II.

## MAN.

1. The Early History of Mankind. *Tylor.*
2. The Races of Man. *Peschel.*
3. Natural History of Man. *Pritchard.*

## III.

## PHYSIOLOGY.

1. Physiology of Common Life. *Lewes.*
2. Comparative Physiology. *Carpenter.*
3. Physiology of Man—Nervous System. *Flint.*

## IV.

## RELATIONS OF MIND AND BODY.

1. Mind and Body. *Bain.*
2. Physiology and Pathology of the Mind. *Maudsley.*
3. Mental Physiology. *Carpenter.*

## V.

## RELATIONS OF SCIENCE AND PHILOSOPHY.

1. Principles of Science. *Jevon,*
2. Physical Basis of Mind. *G. H. Lewes.*
3. Theistic Conception of the Universe *Cocker.*

## VI.

## DEVELOPMENT OF MIND.

1. Origin of Civilization. *Lubbock.*
2. Primitive Culture. *Tylor.*
3. Prehistoric Times. *Lubbock.*

## GEOLOGY\*.

## I. DYNAMIC GEOLOGY.

1. Principles of Geology.<sup>1</sup> *Lyell.* Vol. i, pp. 103-655. Vol. ii entire.
2. Elements of Geology.<sup>1</sup> *Le Conte.* Pp. 1-163.
3. Manual of Geology.<sup>2</sup> *Dana.* Pp. 605-844.
4. Text Book of Geology.<sup>3</sup> *Geikie.* Pp. 195-473.

## II. MINERALOGY.

1. College Chemistry.<sup>4</sup> *Barker.* Pp. 1-86 with the problems.
2. Text Book of Mineralogy.<sup>5</sup> *E. S. Dana.*
3. Blowpipe Analysis.<sup>6</sup> *Nason* Or,  
Blowpipe Analysis<sup>6</sup> *Brush.*
4. Collection of fifty mineral species, using for determinations:  
Mineral Tables.<sup>7</sup> *Foye.*  
Manual of Mineralogy.<sup>8</sup> *J. D. Dana.*
5. To these add *one* elective. †

† See below; also notes at end of course.

## III. LITHOLOGY.

1. Manual of Geology.<sup>2</sup> *Dana.* P. 47-79.
2. Manual of Mineralogy.<sup>5</sup> *Dana.* Pp. 409-456.
3. Text Book of Geology.<sup>3</sup> *Geikie.* Pp. 30-194; 474-602.
4. Collection and determination of 100 lithological specimens.
5. To these add *one* elective.

## IV. PALÆONTOLOGY.

1. Elements of Geology.<sup>1</sup> *Le Conte.* Pp. 277-613.
2. Manual of Palæontology. *Nicholson.*
3. Collection of fifty species of fossils.
4. Preparation of a series of ten drawings of fossils, with original descriptions.

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\* Give careful attention to the notes at the end of the course.

## V. STRATIGRAPHIC GEOLOGY.

1. Manual of Geology.<sup>2</sup> *Dana*. Pp. 79-114.
2. Text Book of Geology.<sup>3</sup> *Geikie*. Pp. 603-909.
3. To these add *two* electives.

## VI. DETAILED STUDY OF SOME EPOCH, PERIOD, OR AGE OF GEOLOGIC HISTORY.

(Suitable works will be recommended on announcement of subject).

## VII. SYSTEMATIC STUDY OF SOME GROUP OF ORGANIC REMAINS.

As the *Crustacea*, *Brachiopoda*, *Ungulata*, Birds, Ferns, or even a more limited group, as the *Odontorniths*, *Eozoon*, etc.

(Suitable works will be recommended on announcement of subject).

## VIII. GEOLOGIC SUCCESSION OF SPECIES AND ITS RELATION TO THE DOCTRINE OF DERIVATION.

1. Manual of Geology.<sup>2</sup> *Dana*. Pp. 160-1, 208-10, 252-3, 288-9, 381-8, 482-6, 588-604.
2. Elements of Geology.<sup>1</sup> *Le Conte*. Pp. 291-3, 298-9, 339-345, 358-375, 440-451, 517-534.
3. Text Book of Geology.<sup>3</sup> *Geikie*. Pp. 623-622.
4. Doctrine of Evolution.<sup>8</sup> *Winchell*.
5. Sparks from a Geologist's Hammer.<sup>9</sup> *Winchell*. Pp. 301-357.
6. On the Hypothesis of Evolution.<sup>17</sup> *Cope*.
7. The Origin of Species.<sup>1</sup> *Darwin*.
8. Naturliche Schöpfungsgeschichte<sup>18</sup> (or English translation<sup>1</sup>). *Haeckel*.
9. To these add *one* elective.

## IX. COAL AND METALLIFEROUS DEPOSITS OF THE UNITED STATES.

1. Manual of Geology.<sup>2</sup> *Dana.* Pp. 351-66, 770-82.
2. Elements of Geology,<sup>1</sup> *Le Conte.* Pp. 234-249, 345-392.
3. Coal Regions of America.<sup>1</sup> *Macfarlane.*
4. Mining Industry.<sup>14</sup> *King.*
5. Mineral Resources of the United States.<sup>10</sup> *Williams.*
6. Thesis representing the actual survey of some mining locality, with special attention to methods employed; to be accompanied with drawings, diagrams, maps and collections.

## X. GEOLOGIC CLIMATES.

1. Manual of Geology.<sup>2</sup> *Dana.* Pp. 209, 253, 289, 480, 526.
2. Principles of Geology.<sup>1</sup> *Lyell.* Vol. i, pp. 143-297.
3. The Great Ice Age.<sup>1</sup> *Giekie.*
4. Climate and Time.<sup>1</sup> *Croll.*
5. To these add *two* electives.

## XI. GEOLOGY OF NEW YORK.\*

1. Guide to the Geology of New York State.<sup>14</sup> *Lincklaen.* (Appendix to 14th Regent's Report on State Cabinet).
2. Geology of New York.<sup>14</sup> *Hall, Emmons, Vanuxem, Mather.* Vols. i-iv.
3. Palæontology of New York.<sup>14</sup> *Hall.* Vol. i-v.
4. Preparation of a map by counties, showing geologic formations and hydrography.
5. Collection of a series of rocks and fossils representing the characteristic formations and organic remains.

## XII. RELATION OF SCIENCE TO PHILOSOPHY AND RELIGION.

1. Manual of Geology.<sup>3</sup> *Dana.* Pp. 845-50,
2. Natural Science and Religion.<sup>18</sup> *Gray.*

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\* The Geology of any other state or province may be selected, when suitable works will be recommended.

3. Religion and Science.<sup>1</sup> *Le Conte.*
4. Six Days of Creation.<sup>19</sup> *Lewis.*
5. Reconciliation of Science and Religion.<sup>8</sup> *Winchell.*
6. Theistic Conception of the Universe.<sup>8</sup> *Cocker.*
7. To these add *one* elective,

#### ELECTIVES.

##### I. OUTLINES OF PALÆONTOLOGY.\*

1. Elements of Geology.<sup>1</sup> *Le Conte.* Pp. 277-613.
2. Ancient Life History of the Earth.<sup>1</sup> *Nicholson.*

##### II. OUTLINES OF MINERALOGY AND LITHOLOGY.\*

1. Manual of Geology.<sup>2</sup> *Dana.* Pp. 47-79.
2. Manuel of Mineralogy,<sup>5</sup> *Dana.*
3. Collection and determinations of 50 species of minerals and rocks.

##### III. OUTLINES OF THE DOCTRINE OF DERIVATION.

1. Elements of Geology.<sup>1</sup> *Le Conte.* Pp. 291-3, 298-9, 339-45, 358-75, 440-51, 517-34.
2. Doctrine of Evolution.<sup>8</sup> *Winchell.*
3. On the Hypothesis of Evolution.<sup>17</sup> *Cope.*

##### IV. CHEMICAL GEOLOGY.

1. Chemical and Geological Essays.<sup>11</sup> *Hunt.*

##### V. MICROSCOPIC INVESTIGATIONS.

1. Microscopic Petrography.<sup>14</sup> *Zirkel.*
2. Preparation of a series of ten microscopic slides, illustrating rock sections.

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\* These shorter courses are intended only for those candidates who do not select the longer courses in the same subjects, viz.: Units II, III, IV, VIII,

## VI. MOUNTAIN MAKING.

1. Elements of Geology.<sup>1</sup> *Le Conte.* Pp. 250-271.
2. Manual of Geology.<sup>2</sup> *Dana.* Pp. 782-825.
3. Chemical and Geological Essays.<sup>11</sup> *Hunt.* Pp. 49-58, 239-282.
4. Geology of the Henry Mountains.<sup>14</sup> *Gilbert.*

## VII. GEOLOGY OF PETROLEUM.

1. Sketches of Creation.<sup>8</sup> *Winchell.* Pp. 272-293.
2. Elements of Geology.<sup>1</sup> *Le Conte.* Pp. 388-392.
3. Chemical and Geological Essays.<sup>11</sup> *Hunt.* Pp. 168-182.

## VIII. ECONOMIC GEOLOGY.

Thesis of not less than 3,000 words, representing the results of actual investigations concerning the nature and quality of some economic product.

## IX. COMPARATIVE GEOLOGY.

1. World Life.<sup>9</sup> *Winchell.*

## X. PHYSIOGRAPHIC GEOLOGY.

1. Manual of Geology.<sup>2</sup> *Dana.* Pp. 1-46.
2. Text Book of Geology.<sup>9</sup> *Geikie.* Pp. 910-928.
3. Physiography.<sup>1</sup> *Huxley.*

## XI. MAN IN THE LIGHT OF GEOLOGY.

1. Elements of Geology.<sup>1</sup> *Le Conte.* Pp. 586-601.
2. Manual of Geology.<sup>2</sup> *Dana.* Pp. 573-579.
3. Early Man in Europe.<sup>8</sup> *Rau.*
4. Prehistoric Times.<sup>1</sup> *Lubbock.*

## XII. HISTORY OF GEOLOGIC SCIENCE.

1. Principles of Geology.<sup>1</sup> *Lyell.* Vol. i, pp. 1-102.
2. History of the Inductive Sciences.<sup>21</sup> *Whewell.* Books xvi-xvii.

## NOTES.

Candidates entering the course in Geology are expected to be prepared in the general elements of Geology and Zoology, at least as far as treated in Dana's Text Book of Geology,<sup>2</sup> and Orton's Comparative Zoology.<sup>8</sup> Winchell's Sketches of Creation,<sup>8</sup> and Dawson's Story of the Earth and Man,<sup>8</sup> are recommended preparatory to entering the course. In pursuing the course, Units III and IV naturally follow Unit II, and must be preceded by it. In the same way Units IV and V must precede Units VI, VII and VIII; Unit V must also precede Unit XI.

In addition to the completion of six units, the candidate for the degree of Ph. D. will be expected to make an actual survey of some county, river course or line of railroad, and present as a final thesis, (1) A series of field notes made in the survey. (2) A report of the lithology, geology and palaeontology of the survey, drawn up in business-like order, and containing not less than 5,000 words. (3) Maps and diagrams showing the formations studied. (4) A numbered series of rocks and fossils with notes thereon.

Books in the above courses may be ordered as indicated by the small numerals as follows :

- <sup>1</sup> D. Appleton & Co., New York.
- <sup>2</sup> Ivison, Blakeman, Taylor & Co., New York.
- <sup>3</sup> Macmillan & Co., New York.
- <sup>4</sup> John P. Morton & Co., Louisville, Ky.
- <sup>5</sup> John Wiley & Sons, New York.
- <sup>6</sup> Porter & Coates, Philadelphia,
- <sup>7</sup> Jansen, McClurg & Co., Chicago.
- <sup>8</sup> Harper & Brothers, New York.
- <sup>9</sup> S. C. Griggs & Co., Chicago.
- <sup>10</sup> Director U. S. Geol. Survey, Washington.
- <sup>11</sup> S. E. Cassino & Co., Boston.
- <sup>12</sup> Henry Holt & Co., New York.
- <sup>13</sup> R. Friedlander und Sohn, 111 Carlstrasse, Berlin, N. W. Germany.
- <sup>14</sup> Out of print. Apply to A. E. Foote, 1223 Belmont ave., Philadelphia.
- <sup>15</sup> Director Botanic Garden, Cambridge, Mass.
- <sup>16</sup> Director Illinois Laboratory Natural History, Champaign, Ill.
- <sup>17</sup> C. C. Chatfield & Co., New Haven, Ct.
- <sup>18</sup> Chas. Scribner's Sons, New York.
- <sup>19</sup> Robert Carter & Bro., New York.
- <sup>20</sup> Rev. Francis Wolle, Bethlehem, Pa.
- <sup>21</sup> John W. Parker & Son, West Strand, London, England.
- <sup>22</sup> J. B. Lippencott & Co., Philadelphia.
- <sup>23</sup> Hardwicke & Co., London, England.

## ZOOLOGY.

## I.

1. Zoology.<sup>12</sup> *Packard.* Pp. 1-388.
2. Text Book of Zoology.<sup>3</sup> *Claus and Sedgwick.* Part I, pp. 180-599; Part II, pp. 9-109.
3. Elements of Comparative Anatomy.<sup>3</sup> *Gegenbaur.* Pp. 1-407.
4. Handbook of Invertebrate Zoology.<sup>11</sup> *Brooks.*

## II.

1. Zoology.<sup>12</sup> *Packard.* Pp. 389-630.
2. Text Book of Zoology.<sup>3</sup> *Claus and Sedgwick.* Part II. pp. 9-340.
3. The Cat.<sup>18</sup> *Mivart.*
4. Elements of Comparative Anatomy.<sup>3</sup> *Gegenbaur.* Pp. 408-624.

## III.

1. Insects Injurious to Vegetation.<sup>11</sup> *Harris.*
2. Guide to the Study of Insects.<sup>12</sup> *Packard.*
3. Collection of one hundred and fifty species of insects illustrating all orders.

## IV.

Systematic study of some order or family of insects, or a special study of the insects injurious to some particular form of vegetation.

(Works of reference will be given on announcement of subject).

## V.

1. Life Histories of Animals.<sup>12</sup> *Packard.*
2. Comparative Embryology.<sup>3</sup> *Balfour.* 2 vols.
3. Collection of a series of fifty embryos with notes thereon.

## VI.

1. The Skeleton and the Teeth.<sup>14</sup> *Owen.*
2. Osteology of the Mammalia.<sup>9</sup> *Flower.*
3. Preparation of an entire skeleton.

\* For explanation of numerical references see notes at the end of the course in Geology.

## VII.

Systematic study of any limited group of animal life as the Birds, Reptiles, Fishes, Crustacea or Mollusca, with collections.

(Suitable references to literature will be given on announcement of subject).

## VIII.

1. Text Book of Zoology.<sup>3</sup> *Claus and Sedgwick.* Part I, pp. 1-179.
2. The Geographical Distribution of Animals.<sup>8</sup> *Wallace.*
3. Island Life.<sup>8</sup> *Wallace.*
4. Origin of Species.<sup>1</sup> *Darwin.*
5. Natural Selection.<sup>3</sup> *Wallace.*
6. The Genesis of Species.<sup>1</sup> *Mivart.*
7. Hypothesis of Evolution.<sup>17</sup> *Cope.*
8. Naturliche Schöpfungsgeschichte,<sup>18</sup> (or English translation.<sup>1</sup>) *Haeckel.*

## IX.

1. Anthropology.<sup>1</sup> *Tylor.*
2. Races of Men.<sup>1</sup> *Peschel.*
3. Prehistoric Races of the United States.<sup>9</sup> *Foster.*
4. Prehistoric Times.<sup>1</sup> *Lubbock.*
5. Man's Place in Nature.<sup>1</sup> *Huxley.*
6. The Cranial Affinities of Man and the Ape.<sup>17</sup> *Virchow.*
7. Descent of Man.<sup>1</sup> *Darwin.*
8. Anthropogenie,<sup>19</sup> (or English translation.<sup>1</sup>) *Haeckel.*
9. Preadamites.<sup>9</sup> *Winchell.*

## BOTANY.\*

## I. II. VEGETABLE ANATOMY.

1. Botany for Schools.<sup>12</sup> *Bessey*. Pp. 1-165.
2. Physiological Botany.<sup>2</sup> *Goodale*. Pp. 1-194. With exercises in Appendix, pp. 1-17.
3. Lehrbuch der Botanik.<sup>13</sup> (or English translation<sup>3</sup>). *Sachs*. Pp. 1-206.
4. THESIS embodying results of the study of the minute anatomy of a single phanerogam or fern; this to be accompanied by a series of illustrative slides and drawings.

The following works are necessary for reference:

Vergleichende Anatomie der Vegetationsorgane der Phanerogamen und Farne.<sup>13</sup> (or English translation<sup>3</sup>). *De Bary*.

Das botanische Practicum.<sup>13</sup> *Strasburger*.

Botanical Micro-Chemistry.<sup>11</sup> *Poulsen and Trelease*.

## III. VEGETABLE PHYSIOLOGY.

1. Physiological Botany.<sup>2</sup> *Goodale*. Pp. 195-478, with exercises in Appendix, pp. 18-35.
2. Lehrbuch der Botanik.<sup>13</sup> (or English translation<sup>3</sup>). *Sachs*. Pp. 587-847.
3. THESIS showing results of original investigation in vegetable physiology.

The following will be found desirable for reference:

Vorlesungen über Pflanzen-Physiologie.<sup>13</sup> *Sachs*.

## IV. PHANEROGAMIC BOTANY.

1. Structural Botany.<sup>2</sup> *Gray*.
2. Botany for Schools.<sup>12</sup> *Bessey*. Pp. 389-565.
3. Lehrbuch der Botanik.<sup>13</sup> (or English translation<sup>3</sup>). *Sachs*. Pp. 421-585.

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\* Persons entering this course are expected to have had preliminary work in Botany equivalent to Bessey's "Essentials of Botany."<sup>12</sup>

4. Preparation of herbarium of not less than three hundred named and mounted flowering plants, using for determinations:—

(1). Manual of Botany.<sup>2</sup> *Gray*.\*  
 (2). Synoptical Flora of North America.<sup>2</sup> *Gray*.

The following will be found desirable for reference:

Traité général de Botanique.<sup>13</sup> *Le Maout et Decaisne Bluthen Diagramme*.<sup>13</sup> *Eichler*.

Die Befruchtung der Blumen.<sup>13</sup> (or English translation<sup>3</sup>). *Müller*.

#### V. CRYPTOGAMIC BOTANY.—(General).

1. Botany for Schools.<sup>12</sup> *Bessey*. Pp. 202-388.  
 2. Lehrbuch der Botanik.<sup>13</sup> (or English translation<sup>3</sup>). *Sachs*.  
 Pp. 238-420.

#### VI. CRYPTOGAMIC BOTANY.—(Special.)†

1. Vergleichende Morphologie und Biologie der Pilze, Mycetozoen und Bacterium.<sup>13</sup> *DeBary*.  
 2. Collection of not less than 150 species of Fungi using for determinations:  
 (1). Kryptogamen-Flora Deutschlands.—Die Pilze.<sup>13</sup> *Winter*.  
 (2). Hand-book of British Fungi.<sup>13</sup> *Cooke*.  
 (3). Reports of State Botanist [of New York].<sup>14</sup> *Peck*.  
 (4). The Mycologic Flora of the Miami Valley.<sup>14</sup> *Morgan*.  
 (5). The Parasitic Fungi of Illinois.<sup>16</sup> *Burrill*.

\* In case the candidate is studying in some part of the country not included in the limits of this work other works will be recommended as:

Flora of the Southern States.<sup>2</sup> *Chapman*.

Flora of the Rocky Mountain Region.<sup>2</sup> *Coulter*.

Botany of California.<sup>15</sup> *Watson*.

† The unit above given indicates a special line of study in the Fungi. Any other group like the Marine or Fresh Water Algae, Lichens, Hepaticas, Mosses or Ferns may be selected when suitable works of reference will be assigned.

NOTE.—For explanation of numerical references see "Notes" under course in Geology.

## HISTORY.

## A. ANCIENT HISTORY.

## I.

1. History of Greece. *Grote*. Part I and Part II to Chap. 48, omitting Chaps. 17, 18, 19, 20.
2. Five Great Monarchies. *Rawlinson*.
3. History of Rome. *Mommsen*. Books I, II. Or
4. History of Rome. *Ihne*. Vol. I.
5. History of Egypt. *Brugsch*.

## II.

1. History of Greece. *Grote*. Chaps. 48 to 75 inclusive.
2. History of Rome. *Mommsen*. Books III, IV. Or *Ihne* Vol. II.
3. Politics. *Aristotle*.
4. History of Philosophy. *Ueberweg*. Vol. I, (Morris' Translation) to p. 259.
5. The Ancient City. *Coulanges*.

## III.

1. History of Greece. *Grote*. Chaps. 76 to 98 inclusive.
2. History of Rome. *Mommsen*. Book V. Or
3. History of Rome. *Ihne*. Vol. III.
4. Federal Government. *Freeman*. Vol. I. Chaps. 1 to 10.
5. History of Greek Literature. *Mahaffy*.
6. Ancient Law. *Maine*.

## IV.

1. History of Rome. *Merivale*. First 22 Chaps.
2. History of Philosophy. *Ueberweg*. (Morris<sup>1</sup> Trans.) Vol. I. Pp. 261-484.

3. Ancient Art and its Remains. *Müller*. (Leitch's Trans).  
Part I, to p. 260. Or
3. Art-Archæology. *Westropp*. First half.
5. Public Economy, &c. *Boeckh*. Books I, II.

## V.

1. History of Rome. *Merivale*. Chaps. 23 to 50 inclusive.
2. Church History. *Neander*. Vol. I. Or
3. History of the Christian Church. *Schaff*. Vol. II.
4. Art-Archæology. *Westropp*. Last half.
5. History of Architecture. *Fergusson*. Part II.
6. History of Roman Literature. *Teuffel*. Or
7. The Roman Poets of the Republic. *Sellar*.

## VI.

1. History of Rome. *Merivale*. Chaps. 51 to 78.
2. History of the Christian Church. *Schaff*. Vol. III.
3. Decline and Fall, etc. *Gibbon*. Chaps. 1 to 24 inclusive.
4. History of Roman Law. *Hadley*. Or
5. Studies in the Roman Law. *Mackenzie*.
6. Catacombs of Rome. *Withrow*.

In connection with the course such works as *Eber's* Uarda, *Becker's* Charicles, and Gallus, *Kingsley's* Hypatia, *Macaulay's* Lays of Ancient Rome, with Introduction, *Ware's* Zenobia, *Wiseman's* Fabiola. etc, may be read with profit.

## B. GENERAL HISTORY OF THE WEST.

## I.

1. History of Greece. *Curtius*. First half.
2. History of Philosophy. *Ueberweg*. (Morris' Translation).  
Vol. I. Pp. 15-259.
3. History of Rome. *Mommsen*.
4. History of Federal Government. *Freeman*. Chaps. 1, 2,  
3, 4, 5, 6.
5. Ancient Art and its Remains. *Müller*. (Leitch's Transla-  
tion). Part I, to p. 260. Or
6. Art-Archæology. *Westropp*. First half.

## II.

1. History of Greece. *Curtius*. Finished.
2. History of Rome. *Merivale*. Vols. I, II.
3. The Ancient City. *Coulanges*.
4. History of Philosophy. *Ueberweg*. (Morris' Translation).  
Vol. I, from p. 264.
5. History of Architecture. *Fergusson*. Part I.
6. History of the Christian Church. *Schaff*. Vol. II.

## III.

1. The Fall of Rome and the Rise of the New Nationalities.  
*Sheppard*.
2. Decline and Fall, etc. *Gibbon*. Chaps. 49, 50, 58, 59, 60,  
61, 62, 69, 70.
3. Roman Law. *Hadley*. Or
4. Studies in the Roman Law. *Mackenzie*.
5. History of England. *Green*. Vols. I, II.
6. History of Art. *Lübke*. Book III.
7. The Holy Roman Empire. *Bryce*.

## IV.

1. The Period of the Reformation. *Haüsser.*
2. History of the Rise of the Huguenots in France. *Baird.*
3. History of the Struggle for Parliamentary Government in England. *Bisset.*
4. History of the United States. *Hildreth.* Vols. I, II, III.
5. The Italian Renaissance. *Burckhardt.*
6. History of Art. *Lübke.* Book IV. Chaps. 1, 2, 3, 4, 5.
7. History of Russia. *Rambaud.*

## V.

1. Seven Years' War. *Ranke.* Or
2. Frederick the Great. *Carlyle.*
3. History of England in the 18th Century. *Lecky.*
4. Constitutional History of England. *May.*
5. History of the United States. *Hildreth.* Vols. IV, V, VI.
6. Ancient Regime. *Taine.*

## VI.

1. French Revolution. *Mignet.*
2. Life and Times of Stein. *Seeley.*
3. Napoleon the First. *Seeley.*
4. History of Our Own Times. *McCarthy.*
5. History of the Constitution of the United States. *Bancroft.*
6. Modern Philosophy. *Ueberweg.* Vol. II.

Works like *Becker's* Charicles, and Gallus, *Kingsley's* Hypatia, *Ware's* Zenobia, and *Wiseman's* Fabiola, may be read with profit in connection with I and II; *Scott's* Ivanhoe, Talisman, and Quentin Durward, with III; *George Eliot's* Romola, *Mrs. Charles'* Schönberg-Cotta Family, *Thackeray's* Henry Esmond, and *De Vigny's* Cinq Mars, and *Scott's* Waverly, with IV and V; *Thackeray's* Virginians, *Bungener's* The Priest and the Huguenot, *Dickens'* Tale of Two Cities, *George Eliot's* Adam Bede, and some of the *Erckmann-Chartrian* series with V and VI.

## C. MODERN HISTORY OF WESTERN EUROPE.

## I.

1. Constitutional History of England. *Stubbs.*
2. Decline and Fall, etc. *Gibbon.* Chaps. 69 and 70.
3. A View of Society in the Middle Ages. *Robertson,* in his History of Charles V.
4. Ferdinand and Isabella. *Prescott.*
5. Divina Commedia. *Dante.*

## II.

1. History of Charles V. *Robertson.*
2. History of Philip II. *Prescott.*
3. The Period of the Reformation. *Haüser.*
4. History of France. *Stephen.* Lectures 1-12.
5. History of England. *Green.* Vol. I.
6. Constitutional History of England. *Hallam.* Chaps. 1-3.

## III.

1. History of England. *Green.* Vol. II.
2. Rise of the Huguenots in France. *Baird.*
3. Rise of the Dutch Republic. *Motley.*
4. Constitutional History of England. *Hallam.* Chaps. 4-7.
5. History of France. *Stephen.* Lectures 13-17.

## IV.

1. History of England. *Green.* Vol. III.
2. History of the Commonwealth of England. *Bisset.*
3. Constitutional History of England. *Hallam.* Chaps. 8-15.
4. Thirty Years' War. *Gardiner.*
5. History of France. *Stephen.* Lectures 20-24.
6. History of Civilization. *Guizot.* Vol. I.

1. History of Frederick the Great. *Carlyle*.
2. History of England in the 18th Century. *Lecky*.
3. The Ancient Régime. *De Tocqueville*. Or
4. The Aneient Régime. *Taine*.
5. History of the French Revolution. *Taine*.
6. Constitutional History of England *Hallam*. Chaps. 16-18.

1. History of Modern Europe. *Alison*. Vols. III, IV, V, VI.
2. Constitutional History of England. *May*.
3. History of Modern Philosophy. *Ueberweg* (Morris' Translation).

For romances in connection with this course see Course B.

## D. AMERICAN HISTORY.

## I.

1. History of the Ancient North Americans. *Short.* Or
2. Prehistoric Races of the United States. *Foster.*
3. Account of Pre-Columbian Discoveries in his History of the United States. *Ridpath.*
4. Pioneers of France in the New World. *Parkman.*
5. Spanish Conquest of America. *Helps.*
6. History of the United States. *Bancroft.* Vols. II, III.  
Compared with
7. History of New England. *Palfrey.* Vol. I.

## II.

1. History of the United States. *Bancroft.* Vols. II, III.  
Compared with  
History of the United States. *Hildreth.* Chaps. 1-25.
2. Conquest of Mexico. *Prescott.*
3. History of New England. *Palfrey.* Vols. II, III.
4. The Jesuits of North America. *Parkman.*

## III.

1. History of the United States. *Bancroft.* Vols. IV, V, VI, VII. Compared with  
History of the United States. *Hildreth.* Chaps. 26-30.
2. Taxation no Tyranny. *Dr. Johnson.*  
Compared with  
Franklin's Examination before the Committee of the House of Commons.
3. History of New England. *Palfry.* Vol. IV.
4. Lectures on the American War. *Smyth.* In Lectures on Modern History.
5. Common Sense. *Thomas Paine.*
6. Speeches of April 19th, 1774, and On the Reconciliation of America, 1775. *Burke.*
7. The Rise of the Republic. *Frothingham.*

## IV.

1. History of the United States. *Bancroft.* Vols. VIII, IX,  
X. Compared with  
History of the United States. *Hildreth.* Chaps. 31-43.
2. Life of Washington. *Marshall.*
3. Life of Jefferson. *Randall.*
4. Constitutional and Political History of the United States.  
*Von Holst.* Vol. I.
5. Life of Franklin. *Bigelow.*
6. Life of Alexander Hamilton. *Lodge.*

## V.

1. History of the United States. *Hildreth.* Chaps. 44, 48,  
and Vol. I of Second Series.
2. The Federalist.
3. History of the Constitution of the United States. *Bancroft.*
4. Democracy in America. *De Tocqueville.*
5. Constitutional and Political History. *Von Holst.* Vol. II.

## VI.

1. History of the United States. *Hildreth.* Second Series,  
Vols. II, III.
2. Thirty Years' View. *Benton.*
3. Constitutional and Political History. *Von Holst.* Vol. III.
4. History of the Civil Contest.
5. A Constitutional View of the War Between the States. *Stephens.* } Compared.
6. Slavery and Anti-Slavery. *Goodell.*

In connection with II and III it is recommended to read some romances treating of the beliefs and customs of the period—as Minister's Wooing, and Old Town Folks, by *Mrs. Stowe.*

## PHILOSOPHY.

## METAPHYSICS. A.

## I.

1. History of Philosophy; (a) Philosophy of Antiquity. *Morris' Ueberweg.* Vol. I. Pp. 14-137.
2. Socrates and the Socratic School. *Zeller.*
3. Plato. History of Ancient Philosophy. *William Archer Butler.* Vol. II.

## II.

1. History of Philosophy; (b) Philosophy of Antiquity. *Morris' Ueberweg.* Vol. I. Pp. 137-259.
2. Aristotle's Metaphysics. *J. H. McMahon.*
3. The Stoics. *Zeller.*

## III.

1. History of Philosophy; (c) Philosophy of the Christian Era. *Morris' Ueberweg.* Vol. I. Pp. 261-484.
2. Scholasticism; History of Modern Philosophy. *Cousin.* Vol. II. Pp. 13-45. (*Wight's* translation).
3. Christianity and the Greek Philosophy. *Cocker.*

## METAPHYSICS. B.

## I.

1. History of Philosophy; (d) Modern Philosophy. *Morris' Ueberweg.* Vol. II. Pp. 1-135.
2. Review of *Locke* on The Human Understanding. *Cousin.*
3. A thesis of not less than 3,000 words on Leibnitz.

## II.

1. History of Philosophy; (e) Modern Philosophy. *Morris' Ueberweg.* Vol. II. Pp. 135-347.
2. Critique of the Pure Reason. *Kant.* Edited by *Morris.* (Or *Meiklejohn's* Translation).
3. A thesis of not less than 3,000 words on Hegelianism.

## III.

1. History of Recent British Philosophy. *Masson.*
2. Examination of Mr. J. S. Mill's Philosophy. *McCosh.*
3. Review of Herbert Spencer. *Bowne.*

## PHILOSOPHY.

## ETHICS.

## FIRST YEAR.

## I.

1. History of Philosophy ; (a) Philosophy of Antiquity. *Morris' Ueberweg*. Vol. I. Pp. 14-137.
2. Socrates and the Socratic Schools. *Zeller*.
3. Plato. History of Ancient Philosophy. *William Archer Butler*. Vol. II.

## II.

1. History of Philosophy ; (b) Philosophy of Antiquity. *Morris' Ueberweg*. Vol. I. Pp. 137-259.
2. Aristotle's Ethics. *R. W. Browne*.
3. Christianity and the Greek Philosophy. *Cocker*.

## III.

1. History of Philosophy ; (c) Philosophy of the Christian Era. *Morris' Ueberweg*. Vol I. Pp. 261-484.
2. Social Morality. *F. D. Maurice*. (Macmillan).
3. Four Phases of Morals. *Blackie*.

## ETHICS.

## SECOND YEAR.

## I.

1. History of Philosophy ; (d) Modern Philosophy. *Morris' Ueberweg*. Vol. II. Pp. 1-135.
2. Metaphysic of Ethics. *Kant. Semple*.
3. Lectures on the History of Moral Philosophy. *Whewell*.

## II.

1. History of Philosophy ; (e) Modern Philosophy. *Morris' Ueberweg.* Vol. II. Pp. 135-347.
3. The Method of the Divine Government. *McCosh.* (Macmillan & Co.)
3. Philosophy of the Infinite. *Calderwood.*

## III.

1. History of Recent British Philosophy. *Masson.*
2. Utilitarianism. *Grote.* Also *McCosh* on Utilitarianism in Chapter XX, of Criticisms of Mill's Philosophy.
3. Conscience. *Joseph Cook.*

*EVIDENCES OF CHRISTIANITY.*

## I.

1. History of Christianity. *Milman.*
2. Supernatural Origin of Christianity. *Fisher.*
3. The Method of the Divine Government. *McCosh.* (Macmillan & Co).

## II.

1. Nature and the Supernatural. *Bushnell.*
2. Historical Evidences. *Rawlinson.*
3. Life of Christ. *Geikie.*

## III.

1. Christ and other Masters. *Hardwick.*
2. Christianity and The Greek Philosophy. *Cocker.*
3. Studies in Theism. *Bowne.*

## IV.

1. The Internal Evidences of Revealed Religion. *Erskine.*
2. Divinity of our Lord Jesus Christ. *Liddon.*
3. The Grounds of Theistic and Christian Belief. *Fisher.*

## V.

1. Christianity the Religion of Nature. *Peabody.*
2. Analogy of Religion, Natural and Revealed. *Butler.*
3. Evidences of Religion. *Thomson.*

## VI.

1. Critical History of Free Thought. *Farrar.*
2. Evidences of Christianity in the 19th Century. *Barnes.*
3. Christianity and Positivism. *McCosh.* (Macmillan & Co). Any one of the following subjects may be selected for a Thesis:—
  1. Modern Christology.
  2. A Critical Review of *Renan's* "Life of Jesus."
  3. An Argument in the Evidences drawn from the Topography of the Holy Land.

*POLITICAL AND CONSTITUTIONAL HISTORY.*

## I.

1. Constitutional History of England, from its origin to Henry VII. *William Stubbs.*
2. Constitutional History of England from Henry VII to George IV. *Hallam.*
3. The Government of England—its Structure and its Developments. *W. B. Hearn.*
4. Ancient Law. *H. Maine.*

## II.

1. The Constitutional History of England, since the Accession of George III. *T. E. May.*
2. The Imperial and Colonial Constitutions of the Britannic Empire. *Sir Edward Creasy.*
3. Civil Service in Great Britain. *D. B. Eaton.*
4. Political Science. *T. D. Woolsey.*

## III.

1. The Rise of the Republic of the United States. *R. Frothingham.*
2. History of the Constitution of the United States. *B. T. Curtis.*
3. The Nation. *E. Mulford.*
4. Proportional Representation. *E. R. Buckalew.*

## IV.

1. Political and Constitutional History of the United States. *H. Von Holst.*
2. Thirty Years' View. *T. Benton.*
3. Political Ethics. *Francis Lieber.*

1. Slavery and Anti-Slavery. *William Goodell.*
2. The American Conflict. *H. Greeley.* Compared with
3. A Constitutional View of the War between the States. *A. H. Stephens.* Or with
4. The Lost Cause. *H. Pollard.*
5. On Liberty. *J. S. Mill.*
6. Physics and Politics. *W. Bagehot.*

A Comparative Study of the Constitutions of the several States of the American Union,—using for this purpose,

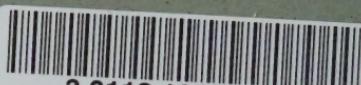
1. The Federal and State Constitutions, etc. *Ben Perley Poore.*  
Or
2. Federal and State Constitutions, etc. *Franklin B. Hough.*

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